

Specifications

| Electrical specifications | Typical | Units/notes |
|------------------------------|-----------|-----------------|
| Power supply | 5-10 | V (note 1) |
| Current requirement | 12 | mA (note 2) |
| Input range | 2 | mV/V |
| Bridge resistance | 350 | Ohms (note 3) |
| Zero | ±0.03 | mV |
| Zero temperature coefficient | 0.0014 | %FR/°C (note 4) |
| Gain temperature coefficient | 0.005 | %/°C |
| Channel gain adjustment | 0.2 – 1.1 | (note 5) |
| Output gain adjustment | ±12 | % |

Note 1: sourced from the host's excitation supply.

Note 2: excluding strain gauge excitation current.

Note 3: The sum of the load cell excitation currents must not exceed the capability of the host.

Note 4: 2.5mV/V @ 4V excitation.

Note 5: dependant on the number of gauges used – set by DIP switch and channel potentiometer.

| Environmental | Typical |
|-----------------------|--------------------|
| Storage temperature | -55 to + 125°C |
| Operating temperature | -40 to +80°C |
| Maximum humidity | 95% non-condensing |

| Approvals | |
|------------------------|-------------|
| European EMC Directive | 2004/108/EC |
| Low Voltage Directive | 2006/95/EC |

| Strain gauge connections |
|---|
| Two-part rising clamp screw connectors |
| 6-wire from host to JBA, 4-wire from JBA to each strain gauge |
| Maximum cable size 2.5mm ² |

